



**IPM**  
Planning Guide

reference

# Herbicide Reference



**GCSAA**

Golf Course Superintendents Association of America

# WEED REFERENCE

## Sensitivity of turf species to herbicides

Sensitivity of turf species to pre-emergence herbicides. Modified from: UC IPM Pest Mgt Guidelines: ANR Publication 3365T

PREEMERGENCE												
TURF SPECIES	ATR	BEN	BES	FEN	DIT	ISO	ORY	OXA	PEN	PRD	PRO	SIM
bentgrasses	S	S	T		R		S	S	S	S	S	
bermudagrass, common	R	T	T	T	T	T	R	T	T	T	T	D
bermudagrass, hybrid	R	T	T	T	T	T	R	T	T	T	T	D
bluegrass, Kentucky	S	T	T	T	T	T	S	T	R	R	S	
dichondra	S	S	T				T	S	T	R	R	
fescue, fine	S	T	T		R		S	T	T	T	S	
fescue, tall	S	T	T	T	T	T	S	T	T	T	S	
kikuyugrass		T	T					R	R	T		
ryegrasses	S	T	T	T		T	S	R	R	T	S	
St. Augustinegrass	T	T	T			T	T	R			S	T
zoysiagrass	T	T	T			T	S	R	R	T	S	T

### RATINGS LEGEND

S = sensitive R = relatively tolerant T = tolerant D = dormant turf only

### PRODUCTS

ATR = atrazine (Drexel Atrazine)

BEN = benefin (Balan)

BES = bensulide (Presan)

DIT = dithiopyr (Dimension)

FEN = fenarimol

ISO = isoxaben (Gallery)

ORY = oryzalin (Surflan)

OXA = oxadiazon (Ronstar)

PEN = pendimethalin (PreM, Pendulum)

PRD = prodiamine (Barricade)

PRO = pronamide (Kerb)

SIM simazine

# WEED REFERENCE

Sensitivity of turf species to post-emergence herbicides. Modified from: UC IPM Pest Mgt Guidelines: ANR Publication 3365T

POSTEMERGENCE																	
TURF SPECIES	ETH	QUI	CLO	DIC	DSM	FLU	GLY	HAL	SIM	MSM	PRO*	TRY	IMA	METR	CHL	METS	RIM
bentgrasses			T	R	R	S	S	T		S	S	S					
bermudagrass, common	D	R	T	T	T	S	S	T	D	T	T	R	R	R	T	T	T
bermudagrass, hybrid	D	R	T	T	T	R	S	T	D	T	T	S	R	R	T	T	T
bluegrass, Kentucky	T	T	T	T	T	S	S	T		R	S	T			T		
dichondra			T	S	R	T	S			S	R	S					
fescue, fine	R	R	T	T	T	T	S	T		T	S	T			R		
fescue, tall	T	T	T	T	T	S	S	T		T	S	T					
kikuyugrass				R	R	S	S			S		S					
ryegrasses	T	T	T	T	T	S	S	T		T	S	T					
St. Augustinegrass				S	S		S	T	R	S	S	S	T		R	R	
zoysiagrass		T	T	R	R	S	S	T	R	T	S	S	T		R	T	

## RATINGS LEGEND

S = sensitive R = relatively tolerant T = tolerant D = dormant turf only

## PRODUCTS

ATR = atrazine (Drexel Atrazine)

BEN = benefin (Balan)

BES = bensulide (Presan)

CHL = chlorsulfuron

CLO = clopyralid (Stinger, Lontrel)

DIC = dicamba (Banvel 4S)

DIT = dithiopyr (Dimension)

DSM = DSMA (Methar)

ETH = ethofumesate

FLU = fluazifop (Fusilade 2000)

GLY = glyphosate (Roundup)

HAL = halosulfuron (Manage)

IMA = imazaquin

ISO = isoxaben (Gallery)

METR = metribuzin

METS = metsulfuron

MSM = MSMA

NAP = napropamide (Devrinol)

ORY = oryzalin (Surflan)

OXA = oxadiazon (Ronstar)

PEN = pendimethalin (PreM, Pendulum)

PRD = prodiamine (Barricade)

PRO = pronamide (Kerb)

QUI = quinclorac

RIM = rimsulfuron

SIM = simazine

TRY = triclopyr (Turflon)